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PPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/673,014 09/26/2003		09/26/2003	Sang Hee Kang	CU-3373 RJS	9550
26530	7590	05/12/2005		EXAMINER .	
LADAS &	PARRY	LLP	TON, MY TRANG		
224 SOUTH SUITE 1200		AN AVENUE	ART UNIT	PAPER NUMBER	
CHICAGO, IL 60604				2816	
				DATE MAILED: 05/12/2005	

DATE WANDED: 03/12/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)					
Office Action Summary		10/673,014	KANG, SANG HEE					
		Examiner	Art Unit					
		My-Trang N. Ton	2816					
Period 1	The MAILING DATE of this communication app for Reply	pears on the cover sheet with t	the correspondence address					
THE - Ext afte - If th - If N - Fai Any	HORTENED STATUTORY PERIOD FOR REPL' MAILING DATE OF THIS COMMUNICATION. ensions of time may be available under the provisions of 37 CFR 1.1 er SIX (6) MONTHS from the mailing date of this communication. ee period for reply specified above is less than thirty (30) days, a reply o period for reply is specified above, the maximum statutory period value to reply within the set or extended period for reply will, by statute or reply received by the Office later than three months after the mailing ned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply y within the statutory minimum of thirty (30 will apply and will expire SIX (6) MONTHS , cause the application to become ABANI	be timely filed O) days will be considered timely. From the mailing date of this communication. DONED (35 U.S.C. § 133).					
Status								
1)[\]	Responsive to communication(s) filed on 28 F	ebruary 2005.						
, 2a)[_		action is non-final.						
3)□								
	closed in accordance with the practice under E	sed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposi	tion of Claims							
4)🖂	Claim(s) 1-11 is/are pending in the application							
	4a) Of the above claim(s) is/are withdraw	wn from consideration.						
5)⊠	Claim(s) <u>1-9</u> is/are allowed.							
6)⊠	Claim(s) 10 and 11 is/are rejected.							
7)	Claim(s) is/are objected to.							
8)[Claim(s) are subject to restriction and/o	r election requirement.						
Applica	tion Papers							
9)[The specification is objected to by the Examine	r.						
10)⊠	The drawing(s) filed on 28 February 2005 is/are	e: a)⊠ accepted or b)⊡ obje	ected to by the Examiner.					
	Applicant may not request that any objection to the	drawing(s) be held in abeyance.	See 37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correct	ion is required if the drawing(s) i	s objected to. See 37 CFR 1.121(d).					
11)	The oath or declaration is objected to by the Ex	caminer. Note the attached Of	ffice Action or form PTO-152.					
Priority	under 35 U.S.C. § 119							
	Acknowledgment is made of a claim for foreign	s have been received. s have been received in Appl rity documents have been rec	ication No					
*	See the attached detailed Office action for a list	. ,	eivedm//ray/m					
			MY-TRANG NUTON PRIMARY EXAMINER					
Attachmei	• •	_						
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)		mary (PTO-413) ail Date					
3) 🔲 Infol	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) Notice of Inform	nal Patent Application (PTO-152)					
Pap	er No(s)/Mail Date	6)						

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DETAILED ACTION

In response to Applicant's amendment filed on 2/28/05, the rejection made in the last Office action on the Kogo reference is withdrawn. A new Office action has been made as follows:

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 10-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Boudry (U.S Patent No. 5,185,540).

Boudry discloses in Fig. 1 a time constant circuit including:

Regarding claim 10: a plurality of input signals (output signals of buffers connected to MO, M1, Mn) and delaying (M0, M1, Mn) the plurality of input signals (the output signals of the buffers connected to MO, M1, Mn) for a predetermined delay time using one shared delay circuit (M0, M1, Mn).

Regarding claim 11: the circuit (Fig. 1) converts the input signals into pulse signals (Go, G1, Gn converts the output signals of buffers connected to Go, G1, Gn into pulse signals), delays the pulse signals (SWo, SW1, SWn delay the pulse signals from Go, G1, Gn) for the predetermined time, and converts the pulse signal in the same form as the input signals (convert the pulse signals in the same form as the input signals is done at node X).

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Claims 10-11 remain rejected under 35 U.S.C. 102(b) as being anticipated by Itamura et al (U.S Patent No. 3,919,683).

Itamura discloses in Fig. 3 a circuit including:

Regarding claim 10: a plurality of input signals (output signals of 113, 114, 115) and delaying the plurality of input signals (the output signals of 113, 114, 115) for a predetermined delay time using one shared delay circuit (101).

Regarding claim 11: the circuit (51) converts the input signals into pulse signals (110, 111, 112 converts the output signals of 113, 114, 115 into pulse signals), delays the pulse signals (101 delays the output of 110, 111, 112) for the predetermined time, and converts the pulse signal in the same form as the input signals (when signals applied to node input of 110, 111, 112 are all H).

Allowable Subject Matter

Claims 1-9 are allowable over the prior art of record. None of the prior art disclosed or suggested to show the particular structure and/or the particular operation recited in these claims namely: the combination of "an input signal conversion unit", "a delay unit" and "a switch and output control unit".

Any inquiry concerning this communication or earlier communications from the examiner should be directed to My-Trang N. Ton whose telephone number is 571-272-1754. The examiner can normally be reached on 7:00 a.m - 5:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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My-Trang N. Ton Primary Examiner Art Unit 2816

May 10, 2005